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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

1

of

4

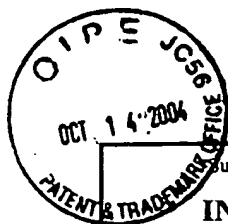
Complete if Known

Application Number	10/501,353
Filing Date	07/14/2004
First Named Inventor	Antonini, Enrico Anthony
Art Unit	Not yet known
Examiner Name	Not yet known
Attorney Docket Number	716916.10

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number- Kind Code ² (if known)				
CA	A1	US-2003/0087306	05/08/2003	Christensen, Burton G., et al.		
CA	A2	US- 6,054,584	04/25/2000	Ma, Junning et al.		
CA	A3	US-4,277,604	07/07/1981	Dauben, William G., et al.		
CA	A4	US-4,597,866	07/01/1986	Couillard, Francois		
CA	A5	US-5,158,676	10/27/1992	Kreher, Klaus, et al.		
CA	A6	US-5,167,809	12/01/1992	Mann, Anthony F., et al.		
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CA	A9	US-6,001,260	12/14/1999	Hatch, Richard G., et al.		
CA	A10	US-6,067,749	05/30/2000	Fist, Anthony John, et al.		
CA	A11	US-6,235,906	05/22/2001	Sebastian, Alice		
CA	A12	US-6,265,542	07/24/2001	Fahrner, Robert Lee, et al.		
CA	A13	US-6,376,221	04/23/2002	Fist, Anthony John, et al.		
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CA	A15	US-6090943	07/18/2000	Dung, Jen-Sen, et al.		
CA	A16	US-6224847	05/01/2001	Noakes, Timothy James, et al.		
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CA	A22	US-6015903	01/18/2000	Brase, Walter, et al.		
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CA	A32	US-5230802	07/27/1993	Ferguson, Robert N., et al.		
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CA	A35	US-5119835	06/09/1992	Ehling, Uwe, et al.		
CA	A36	US-5039804	08/13/1991	Brackeen, Marcus F., et al.		
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Sheet 2 of 4

Complete if Known

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Filing Date	07/14/2004
First Named Inventor	Antonini, Enrico Anthony
Art Unit	Not yet known
Examiner Name	Not yet known
Attorney Docket Number	716916.10

CA	A38	US-4831133	05/16/1989	Goodbody, Anne, E., et al.		
CA	A39	US-4798792	01/17/1989	Harder, Patricia A., et al.		
CA	A40	US-4769452	09/06/1988	Boulware, Richard T.		
CA	A41	US-4764615	08/16/1988	Ayyangar, Nagaraj R., et al.		
CA	A42	US-4514569	04/30/1985	Hendrickson, James B., et al.		
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³	Number ² Kind Code ³ (if known)				
CA	B1	WO98/02033		01/22/1998	Fist, Anthony, John, et al.		
CA	B2	JP02001122869A		09/11/2000	Bellafore, Louis, et al.	Submission of an abstract in English is provided	
CA	B3	WO2000058333		10/05/2000	Kutchan, Toni Mary, et. Al	Submission of an abstract in English is provided	
CA	B4	EP889045		01/07/1999	Dung, Jen-Sen, et al.	Submission of an abstract in English is provided	
CA	B5	CA2241772		12/30/1998	Dung, Jen-Sen, et al.	Submission of an abstract in English is provided	
CA	B6	AU9873939		01/07/1999	Dung, Jen-Sen, et al.	Submission of an abstract in English is provided	
CA	B7	AU725396		10/12/2000	Dung, Jen-Sen, et al.	Submission of an abstract in English is provided	
CA	B8	JP11071375		03/16/1999	Dung, Jen-Sen, et al.	Submission of an abstract in English is provided	
CA	B9	WO9935902		07/22/1990	Fist, Anthony John, et al.	Submission of an abstract in English is provided	

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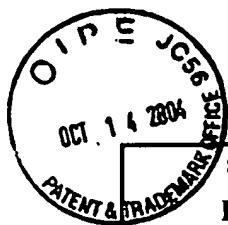
² For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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		First Named Inventor	Antonini, Enrico Anthony
		Art Unit	Not yet known
		Examiner Name	Not yet known
Sheet 3	of 4	Attorney Docket Number 716916.10	

CA	B10	AU9920414	08/02/1999	Fist, Anthony John, et al.	Submission of an abstract in English is provided
CA	B11	DE19743176	04/01/1999	Grabley, Susanne, et al.	Submission of an abstract in English is provided
CA	B12	WO9916526	04/08/1999	Grabley, Susanne, et al.	Submission of an abstract in English is provided
CA	B13	WO9526794	10/12/1995	Noakes, Timothy James, et al.	Submission of an abstract in English is provided
CA	B14	EP889045	01/07/1999	Dung, Jen-Sen, et al.	Submission of an abstract in English is provided
CA	B15	WO94565	01/06/1994	Bruce, Neil C.	Submission of an abstract in English is provided

Examiner Signature	ALWAKH	Date Considered	4/17/07
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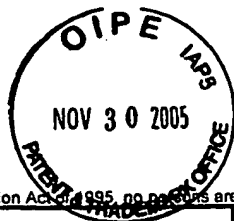


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		Art Unit	Not yet known
		Examiner Name	Not yet known
		Attorney Docket Number	716916.10
Sheet	4	of	4

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CA	A1	PROKSA, B.; Separation of Products of Thebaine Rearrangement by Capillary Electrophoresis in the Presence of Cyclodextrins, Slovakoforma a.s., Hlohovec, Slovakia. Chem Pap. (2001), 55(3), 196-201. CODEN: CHPAEG ISSN: 0366-6352. Journal written in English. AN 2001:656754 CAPLUS (Copyright 2001 ACS)	
CA	A2	MAEDA, DEAN Y.; COOP, ANDRES; An Improved Hydrolysis of 7 α -chloro-7 β -cyano-6,14-endo-ethenotetrahydrothebaine to its 7-oxo derivative; University of Maryland School of Pharmacy, Baltimore, MD, USA. Heterocycles (2001), 55(6), 1147-1149. CODEN: HTCYAM ISSN: 0385-5414. Journal written in English. CAN 135: 166948 AN2001:430551 CAPLUS (Copyright 2001 ACS)	
CA	A3	FACCHINI, PETER J.; PARK, SANG-UN; BIRD, DAVID A.; SAMANANI, NAILISH; Toward the Metabolic Engineering of Benzylisoquinoline Alkaloid Biosynthesis In Opium Poppy and Related Species; Department of Biological Sciences University of Calgary, Calgary AB, Can. Recent Res. Dev. Phytochem (200), 4 31-47. CODEN: RDPHF5 Journal written in English. AN 2001:766123 CAPLUS (Copyright 2001 ACS)	
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CA	A5	BRUCE, NEIL C.; Engineering Novel Biocatalytic Routes for Production of Semisynthetic Opiate Drugs; Institute of Biotechnology, University of Cambridge, Cambridge, UK. Book of Abstracts 219 th ACS National Meeting, San Francisco, CA March 26-30, 1000 (2000), BIOT-007; Publisher: American Chemical Society, Washington, D.C. CODEN: 69CLAC Conference; meeting abstract written in English; AN200:327226 CAPLUS (Copyright 2001 ACS)	
CA	A6	VOTRUBA, JAROSLAV, FLEIGER, MIROSLAV; Separat of Ergot Alkaloids by Adsorptoin of Silicates; Institute of Microbiology, Academy of Sciences of the Czech Republic, Prague, Czech Rep. Biotechnol. Lett. (2000), 22(16), 1281-1285 CODEN:BILED3 ISSN: 0141-5492 Journal written in English CAN 133:361926 AN 2000:722947 CAPLUS (Copyright 2001 ACS)	
CA	A7	NAVRATIL, O.; SKALICAN, Z.; KOBLIHA, Z.; HALAMEK, E.; Extraction of Selected Organic Bases by bis 1,2-dicarbollycobaltate Anion From Water Into Chloroform; Department of Chemistry, Military University, Vyskov, Czech Rep. Czech J. Phys. (1999), 49 (Supl. 1, Pt. 2, 13 th Radiochemical Conference 1998) 731-738 CODEN: CZYPAO ISSN: 0011-4626, Journal wirtten in English CAN 131:175697 AN 1999:410423 CAPLUS (Copyright 2001 ACS)	

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/502,353
Filing Date	July 14, 2004
First Named Inventor	ANTONINI, Enrico
Art Unit	1625
Examiner Name	Not yet known
Attorney Docket Number	1580 WO/US

Sheet 2 of 2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CA		R.G. PETERSON, ET AL., Amperometric high-performance liquid chromatographic method for narcotic alkaloids, Journal of Chromatography, 1980, Vol. 188, P420-425	
CA		I. LEWANDOWSKA ET AL., Chromatographic separation and setermination of alkaloids in the Pantopon type drugs, Chemical Abstracts, 1968, Vol. 68, No. 28,	

Examiner Signature	AWLAKH	Date Considered	4/17/07
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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